

MUTHAMIZH VENDHAN

DevOps Engineer skilled in automation, containerization, CI/CD pipelines, and infrastructure management. Experienced in deploying applications using Docker, Kubernetes, Jenkins, and Ansible, with a focus on scalability, reliability, and operational efficiency.

Skills

- Linux
- Vagrant
- Git
- Docker
- Docker Compose
- Docker Swarm
- OCI Containers
- Kubernetes
- Ansible
- Jenkins [CI / CD pipelines]
- Packer
- Helm
- Kibana
- Elastic Stack
- Grafana
- Prometheus
- Python
- Bash
- Automate and Deploy OCI Containers
- Nginx
- Redis
- Python

Educational Background

- **Bachelor of Engineering in EEE**
- **Diploma in ECE**

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<https://github.com/Muthamizhvendhan>

Career Summary

- Automotive Manufacturer Engineer
- CMRL
- Web development
- DevOps Engineer

Technical

- Operating Systems: Linux administration
- Containers & Orchestration: Docker, Docker Compose, Docker Swarm, Kubernetes, OCI Containers
- Automation & CI/CD: Jenkins pipelines, Ansible automation, Packer image builds
- Scripting & Languages: Bash/Shell scripting, Python, YAML
- Observability: Elastic Stack, Kibana, Prometheus, Grafana
- Web & Caching: Nginx, Redis
- Artifacts & Packaging: OCI image building, Helm chart deployment

DevOps

- Built and automated CI/CD pipelines in Jenkins for build, test, and deployment workflows
- Automated provisioning and configuration using Ansible playbooks, roles, and modules
- Containerized and deployed applications using Docker, Docker Compose, and Kubernetes
- Created and deployed OCI container images, automated builds with Packer
- Managed production workloads with Kubernetes and Helm for scalable deployments
- Developed Bash and Python scripts to automate operational tasks and reduce manual effort
- Implemented observability using Elastic Stack, Kibana, Prometheus, and Grafana
- Migrated applications to containerized environments and improved deployment reliability

Training and Projects

- Hands-on experience with CI/CD pipelines, containerization, automation, and infrastructure deployment
- Containerized applications using Docker, implemented multi-container environments with Docker Compose, and optimized image builds
- Kubernetes Project: Deployed microservices on Kubernetes clusters, configured deployments, services, and auto-scaling mechanisms
- Observability Implementation: Set up end-to-end observability using Elastic Stack and Kibana for log analytics and monitoring